



April 08, 2024

6:00 P.M.
H.S. Library

Mr. Todd Engel
President
Region III

Mr. Steve Rupert
Vice President
Region II

Mrs. Cathy Bachman
Treasurer
Region III

Ms. Erin Armond
Region II

Mr. Ben Brigandi
Region I

Mrs. Summer Bukeavich
Region II

Mr. John Hitesman
Region III

Mr. Nathan Miller
Region I

Mr. Jason Young
Region I

Dr. Eric Briggs
Superintendent

Mrs. Jamie Mowrey
Board Secretary

Mr. Fred Holland
Solicitor

Agenda

Work Session of the Board

The board may vote on any items that properly come before the board.

Opening

Call to Order

Silent Meditation & Pledge of Allegiance

Roll Call

Preliminary Comments on Agenda Items

Action Items

1. Athletic Director Compensation Plan
2. Employment
3. Football Field Irrigation System
4. Approve Policy 816 – Second Reading

Items for Discussion

1. Susquehanna Valley Sound & Video

Old Business

New Business

Courtesy to the Floor

Final Remarks by Board Members

EXECUTIVE SESSION

There will be an Executive Session AFTER the work session regarding negotiations.

Adjournment

ACTION ITEMS

1. **Athletic Director Compensation Plan** – Attachment #1

It is recommended the school board approve the Athletic Director Compensation Plan for the new Athletic Director position.

2. **Employment**

It is recommended the school board approve Brett Herbst as the new Athletic Director at a starting salary of \$50,000 effective July 1, 2024.

3. **Football Field Irrigation System** – Attachment #2

Background: The current water service line at the football field is insufficient to service the new irrigation system. Therefore, a new service line needs to be installed. The total cost will be \$57,200. This consists of a water tap fee and service line connection charge of \$31,280 and installation of piping and vault of \$25,290. Per Hummer Turfgrass, a water wheel will not provide sufficient water to the field.

It is recommended the school board approve Hummer Turfgrass Systems, Inc.'s proposal for \$57,200 for the addition and installation of a new water service line.

4. **Approve Policy 816 – Second Reading**

It is recommended the school board approve the second reading of Policy 816 (Social Media) which replaces Policies 815 and 815.1, Acceptable Use of Internet, Computers, and Network Resources and Student iPad Responsible Use.

ITEMS FOR DISCUSSION

1. **Susquehanna Valley Sound & Video** – Attachment #3

Dr. Briggs will discuss Susquehanna Valley Sound and Video's proposal for a new sound system for the football field. Installation will take approximately one week.

South Williamsport Area School District

Athletic Director Compensation Plan

Except as otherwise specified, this plan shall take effect **July 1, 2021** and shall remain in full force and effect until **June 30, 2026**.

Article I. SAVINGS CLAUSE

Nothing contained herein shall be construed to deny or restrict to any professional employee such rights as he/she may have under the Public School Code of 1949, as amended. The rights granted to the Athletic Director hereunder shall be determined to be in addition to those provided in the Code.

Article II. SALARY

Salary increases will be determined by annual performance evaluations conducted or approved by the Superintendent. Evaluations will be determined using the Act 93 Evaluation Form (Attachment 1) or a state required evaluation instrument. Percentage increases are set by the overall rating assigned.

- 1) **Rating:** Distinguished/ Exceeds Expectations: 3%, Satisfactory/ Meets Expectations 2%, Needs Improvement/Unsatisfactory/Does Not Meet Expectations: 0%.

Article III. CONDITIONS OF EMPLOYMENT

- 1) **Professional dues:** The board agrees to pay for dues for professional organizations as approved by the Superintendent.
- 2) **Reimbursement for Pre-approved Travel:** Shall be paid at the current district rate upon receipt of an itemized statement.
- 3) **Life Insurance:** The School District will assume the cost of term life insurance policy as follows: Policy equal to two times the annual salary not to exceed \$200,000.
- 4) **Health Insurance:**
 - a) The School District will assume payment of CDHP-1 for the Athletic Director. Dependent children of the Athletic Director may be added to the health care plan. Spouses are not eligible without a letter from their current employer attesting that they are not eligible for health care coverage with that employer, or other appropriate documentation that health care coverage is not available. Letters are due annually to the district office by July 1st, or by the first of any month the spouse becomes ineligible for health insurance through an employer. Spouses who are eligible for government sponsored health care are not eligible for health insurance through the district.
 - b) For health insurance plan participants, the District will contribute to an employee Health Savings Account: \$1300 (single)/ \$2600 (all other tiers) for each year of this agreement.
 - c) Benefit changes made by the insurance consortium to conform to regulatory guidelines, to address the availability of new procedures, and to implement carrier-wide plan design changes as determined by the Lycoming County Insurance Consortium may be made.

d) Employee may opt-out of the health care plan and receive a \$3500 stipend. Reenrollment is available if needed.

5) **Income Protection:** The School District will assume the cost of an income protection plan that will give the Athletic Director two-thirds of his/her monthly salary not to exceed \$3000.00 a month as per schedule set forth in the district's Income Protection Plan. Benefits to begin at the end of 60 days after disability begins or upon cessation of sick leave if the sick leave is exhausted more than 60 days after the beginning of the disability.

6) **Dental Insurance:** The School District will assume full payment of family dental insurance as provided in Attachment 2.

7) **Length of Work Year:** Athletic Director will work 200 days.

8) **Vacation Days:**

a) For Athletic Director whose start date is after June 30, 2021:

i) For the purpose of calculating service years for vacation time, only time as an Athletic Director in the South Williamsport Area School District applies.

ii) Athletic Director will receive 10 days of vacation.

iii) Athletic Director may request compensation for unused vacation days at a per diem rate for up to 10 vacation days per fiscal year. Request must be made by June 1st.

9) **Sick Leave:** Athletic Director will be granted twelve sick days per year. Any unused sick leave will accrue from year to year.

Article IV. RETIREMENT BENEFITS

1) **Eligibility:** In order to be eligible for the retirement benefits the member must meet all of the following requirements:

a) Not have taken a sabbatical leave except for medical reasons in the previous fiscal year, unless given a waiver by the District.

b) Submit his/her retirement notification to the Board at least 60 calendar days prior to the effective date of the retirement.

c) Retire not only from the South Williamsport Area School District but also from the public schools in the Commonwealth of Pennsylvania.

d) Is not subject to Permanent Disability Retirement.

e) Must have at least 15 years of service in the South Williamsport Area School District and at least 25 years of service in public education or a similar field relating to the Act 93 position for which the employee is hired. Similar field service time will be determined by the Superintendent and placed in the employee's personnel file at the time of hire.

2) **Retirement Benefit (Sick Days):** For Athletic Director whose start date is after June 30, 2021, upon retirement, will receive \$50 for each unused sick day up to a maximum of 100 days.

3) **Retirement Benefit (Vacation Days):** For Athletic Director whose start date is after June 30, 2021, upon retirement, will receive payment at a per diem rate for each unused vacation day up to a maximum of 30 days.

4) **Retirement Benefit (Life Insurance):** The District will continue to provide life insurance after retirement in the amount equal to the salary earned in the last year of employment at full value until age 65, at half value from age 65 to age 70, and one quarter value from age 70 to 75.

Article V. MISCELLANEOUS PROVISIONS:

1) Temporary Leaves of Absence:

- a) **Jury Duty:** When the Athletic Director is called for jury duty, the School District will pay the member the difference between salary earned in court and the regular salary due him/her as an employee.
- b) **Personal Leave:** Athletic Director shall be credited with three paid personal leave days per year. Any member who has unused personal leave days at the end of the school year will have those unused days converted to sick leave days credited to the member.
- c) **Emergency Days:** One Emergency Day of Leave with pay shall be granted in each year of the plan. The Superintendent must approve Emergency Leave and an Emergency Day of Leave does not accumulate from year to year.
 - i) **Emergency** shall be defined as a sudden, unforeseen situation requiring immediate action by the Athletic Director to avoid harm to the health or safety of the member or the member's immediate family or property (a happening that could not have been planned).
 - ii) The request for an Emergency Day of Leave, even though approval is given must be in writing stating the nature and reason for the request. This must be in the Superintendent's Office as soon as possible after the fact.
- d) **Notification of Accumulated Sick Leave:** Athletic Director will be notified as to the number of sick days accumulated by the first day of the school unless there are extenuating circumstances to prevent this from occurring.
- e) **The Collection, Maintenance and Dissemination of Records:** Any material involving the Athletic Director that originates within the District and which is placed in the members personnel file shall be available upon reasonable prior written request at the Administrative Office for inspection by the member involved.
- f) **Non-Discrimination:** The Board of School Directors of the South Williamsport Area School District is presently adhering to and will continue to adhere to the federal and state statues regarding this point.
- g) **Travel Allowances:** Athletic Director shall be paid travel allowances for authorized travel at the current school district rate.
 - i) Travel within the district shall be computed starting with the school of the first assignment in the morning and ending at the school of the last assignment of the day. Itemized statements of travel claims must be submitted for reimbursement.
 - ii) Travel outside the district, but within Lycoming County may be included on the above statement. All other travel must be pre-approved on forms provided by the District and shall be reimbursed when the proper claim is made.
- h) **Conferences:** Conference requests must be submitted on district provided forms and adhere to established guidelines for approval and reimbursement, and will be approved or disapproved by the Superintendent.
- i) **Adverse Employment Actions:** The Athletic Director cannot be reduced in rank or compensation suspended or dismissed except as permitted by the provisions of the Pennsylvania Public School Code.

2) Parental Leave: Athletic Director shall be provided with leave related to Child-Bearing and Child-Rearing, which shall be considered parental leave under the following provisions:

- a) **Child-Bearing leave:** Child-Bearing leave shall be deemed a medical disability and any portion of that leave taken by a female employee may be charged to her accumulated sick leave.
- b) **Child-Rearing leave:** A Child-Rearing leave shall be granted to:
 - i) Female members at the conclusion of a Child-Bearing leave.
 - ii) Members who are parents of newborn infants or who become parents of an adopted child of preschool age immediately following the infant's birth of adoption.
- c) **Guidelines for leave:** The employee shall submit a written request for Child-Rearing leave to the

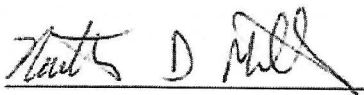
Board no later than 60 days prior to commencement of such leave unless medical complications necessitate an earlier date. In the case of adoption, the written request shall be as soon as possible.

- d) If both parents are employees of the District, only one shall be entitled to Child-Rearing leave.
- e) Parental leave shall not exceed a maximum of one year.
- f) Child-Rearing leave shall be without pay.
- g) Pregnancy related disabilities will be treated in the same manner as other temporary disabilities. Therefore, a member is entitled to use accumulated sick leave for the period of time she is disabled because of pregnancy, childbirth or abortion. A statement from a physician shall affirm disability.
- h) The member shall upon making a request for parental leave indicate the anticipated date of return from leave. Once the date has been approved it can be changed only by mutual consent of the member and the Board. Following the birth of the child the member shall reaffirm her intentions of returning as scheduled.
- i) On returning to service from Parental leave the member shall be returned to the same position occupied prior to the leave unless the previous position does not exist. In the event the previous position has been abolished the member will be returned to a position for which properly certified. Upon returning from leave the member will be placed at the same salary as prior to the granting of the leave.
- j) The School District shall continue the payment of healthcare benefits for the member while on Child-Bearing leave up to 30 days after the birth of the child. At this time the member shall have the option to pay the premiums at the group rate.
- k) In the case of incomplete pregnancy or death of the child an application for return to duty may be considered at an earlier date than those specified above. Upon recommendation of the member's physician the Board shall allow return.

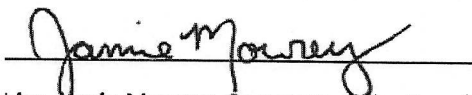
3) Residency: There shall be no attempt on the part of the School District to unilaterally impose a residency requirement on the Athletic Director during the term of this plan.

4) Severability: If any provision of this plan or any application of this Plan to any member or group of members is held to be contrary to law, then such provisions or application shall not be deemed valid and subsisting, but all other provisions or applications shall continue in force and effect.

Adopted by the Board of Directors of the South Williamsport Area School District on **May 24, 2021.**



Mr. Nathan Miller, President of the Board



Mrs. Jamie Mowrey, Secretary of the Board



Act 93 Employee Evaluation Form

This evaluation form is to be used for any Act 93 member not covered by a separate state required evaluation process.

Article I. Directions

The form is divided into two sections that are intended to provide a holistic review of the administrator's performance and as an opportunity for growth. Goal Statements are created by the administrators at the beginning of the evaluation period. The Performance Categories reflect the essential elements critical to the success of the South Williamsport Area School District. Ratings in each category should use the Performance Considerations as a guide to evaluate the administrator's demonstrated skill and ability in that area and any suggestions for development.

Act 93 administrators will complete a self-review using this form and guide the discussion with the supervisor.

Article II. Goal Statements

Each administrator will identify 2-3 measurable goals for their annual evaluation. Goals will be reviewed and approved by the supervisor and attached to this form. Goals will be presented by the administrator to their supervisor for approval by August 31. Evaluations of goal attainment and other indicators will be completed annually by May 15.

Article III. Performance Considerations

In completing this evaluation, supervisors will consider the following areas:

1. For each goal established in August, whether or not it has been completed. If not completed, comment on the progress to date
2. Major accomplishments during the evaluation period that were beyond the established goals
3. Progress in their work since the previous evaluation
4. Improvements that need to be made in the next twelve months
5. Help/resources you intend to provide to assist with improvement
6. Plans for professional development directly related to the current position
7. Needed job description changes since the last evaluation. Specify the changes and submit a revised job description request to the Superintendent. Discuss changes with employees during the evaluation
8. Preliminary thoughts on the goals for the next twelve months
9. Other specific concerns you have and wish to discuss during the evaluation

PERSONNEL PERFORMANCE APPRAISAL

Employee Name: _____

Position/ Title: _____

Evaluation Period: _____ July 1, 20 _____ through June 30, 20 _____

Article IV. Performance Categories

JOB KNOWLEDGE

Demonstrates the appropriate specialized knowledge required to perform the job; effectively performs duties and responsibilities; keeps current with new developments in area of responsibility.

Exceeds expectations ___ Meets expectations ___ Does not meet expectations ___

Comments/Suggestions/Goals:

JUDGEMENT AND PROBLEM SOLVING

Anticipates and identifies problems, gathers facts, evaluates alternatives, recommends actions, follows-up to provide resolution.

Exceeds expectations ___ Meets expectations ___ Does not meet expectations ___

Comments/Suggestions/Goals:

SELF-MANAGEMENT

Effectively uses time and meets deadlines, punctual and reliable, works effectively with directives given, takes initiative and provides acceptable volumes of work.

Exceeds expectations ___ Meets expectations ___ Does not meet expectations ___

Comments/Suggestions/Goals:

TEAMWORK

Shares information and resources, gives timely responses to requests made by others, establishes and maintains effective working relationships.

Exceeds expectations ___ Meets expectations ___ Does not meet expectations ___

Comments/Suggestions/Goals:

EXCELLENCE

Consistently produces quality work aligned with the District's strategic priorities, work is completed thoroughly and accurately with attention to detail.

Exceeds expectations ___ Meets expectations ___ Does not meet expectations ___

Comments/Suggestions/Goals:

INNOVATION

Discovers and implements new and improved methods and procedures for greater efficiency and service to the students, staff, and families.

Exceeds expectations ___ Meets expectations ___ Does not meet expectations ___

Comments/Suggestions/Goals:

COMMUNITY RELATIONS

Effectively represents the mission and core values of the District to students, colleagues, and in interactions with partner agencies and the community at-large.

Exceeds expectations ___ Meets expectations ___ Does not meet expectations ___

Comments/Suggestions/Goals:

COMMUNICATION

Effectively conveys ideas, information, or instructions. Listens effectively and participates in meetings and committee assignments.

Exceeds expectations ___ Meets expectations ___ Does not meet expectations ___

Comments/Suggestions/Goals:

SUPERVISION

Effectively delegates and coordinates the work of others and fully carries out responsibilities of the department. Provides training, development and evaluation of assigned staff. Provides effective leadership to staff.

Exceeds expectations ___ Meets expectations ___ Does not meet expectations ___

Comments/Suggestions/Goals:

Article V. Performance Goals

Effectively managed attainment of goals as indicated by the achievement of identified performance measures. Where goals were not achieved, there is a clear pattern of actions that demonstrate a commitment to achieve goals despite challenges encountered.

Goal 1: Exceeds Expectations ___ Meets Expectations ___ Does not meet expectations ___

Goal 2: Exceeds Expectations ___ Meets Expectations ___ Does not meet expectations ___

Goal 3: Exceeds Expectations ___ Meets Expectations ___ Does not meet expectations ___

Article VI. Overall Evaluation

Considering all dimensions and factors, indicate the overall evaluation that best describes this employee's performance during the past 12 months.

Exceeds expectations ___ Meets expectations ___ Does not meet expectations ___

Comments/Suggestions/Goals:

Article VII. Documentation

Signature of Evaluator: _____

Date: _____

Signature of Employee: _____

Date: _____

Signature of Superintendent: _____

Date: _____

*Signature indicates that the evaluation has been discussed but does not necessarily signify concurrence. A response to this evaluation may be made on a separate sheet and attached. It will be filed with your evaluation.

Attachment 2

Dental Insurance

Prepared for
SOUTH WILLIAMSPORT AREA SCHOOL DISTRICT

Dental Services

	Paid by Delta	Paid by Patient
DIAGNOSTIC	100%	0%
PREVENTIVE	100%	0%
BASIC RESTORATIVE	100%	0%
MAJOR RESTROATIVE	50%	50%
ORAL SURGERY	100%	0%
ENDODONTICS	100%	0%
PERIODONTICS	75%	25%
PROSTHODONTICS	50%	50%
DENTURE REPAIR	100%	0%
SUPER PREVENTATIVE	100%	0%

Maximum - \$1,250 per person per contract year.

Eligible dependent children are covered to age 19, unless they are students in a bonafide institution of higher education, in which case, eligibility is extended to age 23. Mentally retarded dependent children are eligible for dental care under the program regardless of age, as are physically incapacitated children who are incapable of self-support.



Hummer Turfgrass Systems, Inc.

HUMMERTURF.COM | 1527 S. Colebrook Rd., Manheim, PA 17545 | 717.898.5000

Proposal

Date: April 3, 2024

To: Ernest Graham
ELA Sport
elasport@gmail.com

Project: South Williamsport Area School District- Proposed Water Line Tap and Extension to Field

Tap costs as per Williamsport Municipal Water Authority (see attachment). These costs would be invoiced directly to school

Table with 2 columns: Item description and Price. Items include 1-1/2" Water Tap (\$27,225.00) and Service Line Connection Charge (\$4,055.00), totaling \$31,280.00.

Description of work after tap is complete and water stop in installed

- 1. Install +/- 5' x 5' vault in ground as shown on plan in paper alley along eastern edge of property line
2. Install water meter inside vault
3. Install backflow preventer outside of vault in an in-ground enclosure
4. Install +/- 200' of 2" PVC irrigation pipe from vault to field surface
5. Restore areas where vault and pipe are installed

Total Cost: \$ 25,920.00*

*Cost includes prevailing wage rates for Union Co., performance and payment bonds

Handwritten signature of Drew M. Dvorak

Hummer Turfgrass Systems, Inc.

04.03.2024

Date

Authorized Signature

Date

Costars Contract #14 Sports Turf Vendor #403821

*Due to fuel and material volatility, this quote is good for 15 days. Hummer Turfgrass reserves the right to adjust our pricing as needed based on material price increases.



WILLIAMSPORT MUNICIPAL WATER AUTHORITY

RULES AND REGULATIONS

SCHEDULE OF RATE

Effective on all Billings after July 1, 2023
Authorized by Board action of June 28, 2023

SCHEDULE NO. 1 – Charges for Water Service

All Property Owners shall pay a charge for water service as provided by current Rules and Regulations. Monthly charges will be assessed per thousand gallons registered according to the rate structure listed below:

- \$3.33 monthly Service Fee per unit plus \$7.36 per thousand gallons billed
- \$1.00 per thousand gallons billed for water used to fill municipal swimming pools
- \$11.00 per thousand gallons billed for commercial bulk water

SCHEDULE NO. 2 PUBLIC FIRE SERVICE

Municipalities will be billed time and material for: new hydrant installations, relocations of existing hydrants, repairs, or replacements of damaged or destroyed hydrants.

The Authority will repair all hydrants becoming inoperative due to normal operation at no cost to the municipality.

Municipalities will be responsible for the material cost for replacement of all lost or stolen hydrant caps.

SCHEDULE NO. 3 PRIVATE FIRE SERVICE RATES

Size of Meter or Connection	Monthly
2 inch	\$7.50
3 inch	\$11.25
4 inch	\$15.42
6 inch	\$22.08
8 inch	\$44.17
10 inch	\$90.00
12 inch	\$150.83
For each private fire hydrant directly connected to main	\$11.25

No charge shall be made for water used in the extinguishing of accidental fires and water for any other purpose shall not be drawn from a private fire service connection.

SCHEDULE NO. 4 – TAPPING FEES – RESIDENTIAL

(Authorized by Board Action December 16, 2009)

Type	Fee
Residential Units	\$3,025 per unit to a maximum amount based on the service line size in Schedule No. 5

SCHEDULE NO. 5 – TAPPING FEES – COMMERCIAL, INDUSTRIAL, & MUNICIPAL

(Authorized by Board Action December 16, 2009)

Service Line Size	EDU	Fee
¾"	1	\$3,025
1"	4	\$12,100
1½"	9	\$27,225
2"	15	\$45,375
4"	62	\$187,550

Tapping Fees for service lines 6", 8" and larger will be calculated upon request.

SCHEDULE NO. 6 – SERVICE LINE CONNECTION CHARGE

(Resolution W1092413 Effective 10/01/2013)

(Authorized by Board Action July 27, 2022)

Service Line Connection Charges include material and labor costs for connection from main to curb box based upon service line size. The intent of the service line connection charge is to bill the customer the actual cost of installation for a new service. The table below shall be followed for service line connection charges less than 10-feet in depth. Any service line connection deeper than 10-feet shall be at the actual cost of the connection.

Meter & Service Line Size	Municipal Roadway	State Roadway
¾"	\$4,035 *	\$6,155 *
1"	\$4,095 *	\$6,215 *
1½"	\$4,055 ***	\$6,175 ***
2"	\$4,440 ***	\$6,560 ***

* Fees include meter pit costs.

*** Fees DO NOT include meter pit costs.

Over 2" based on actual cost of equipment, material, labor, permit fees, and restoration costs.

SCHEDULE NO. 7 – MISCELLANEOUS CHARGES

(Overtime charge may apply)

(Note: Effective July 1, 2005, curb keys will no longer be provided for personal use)

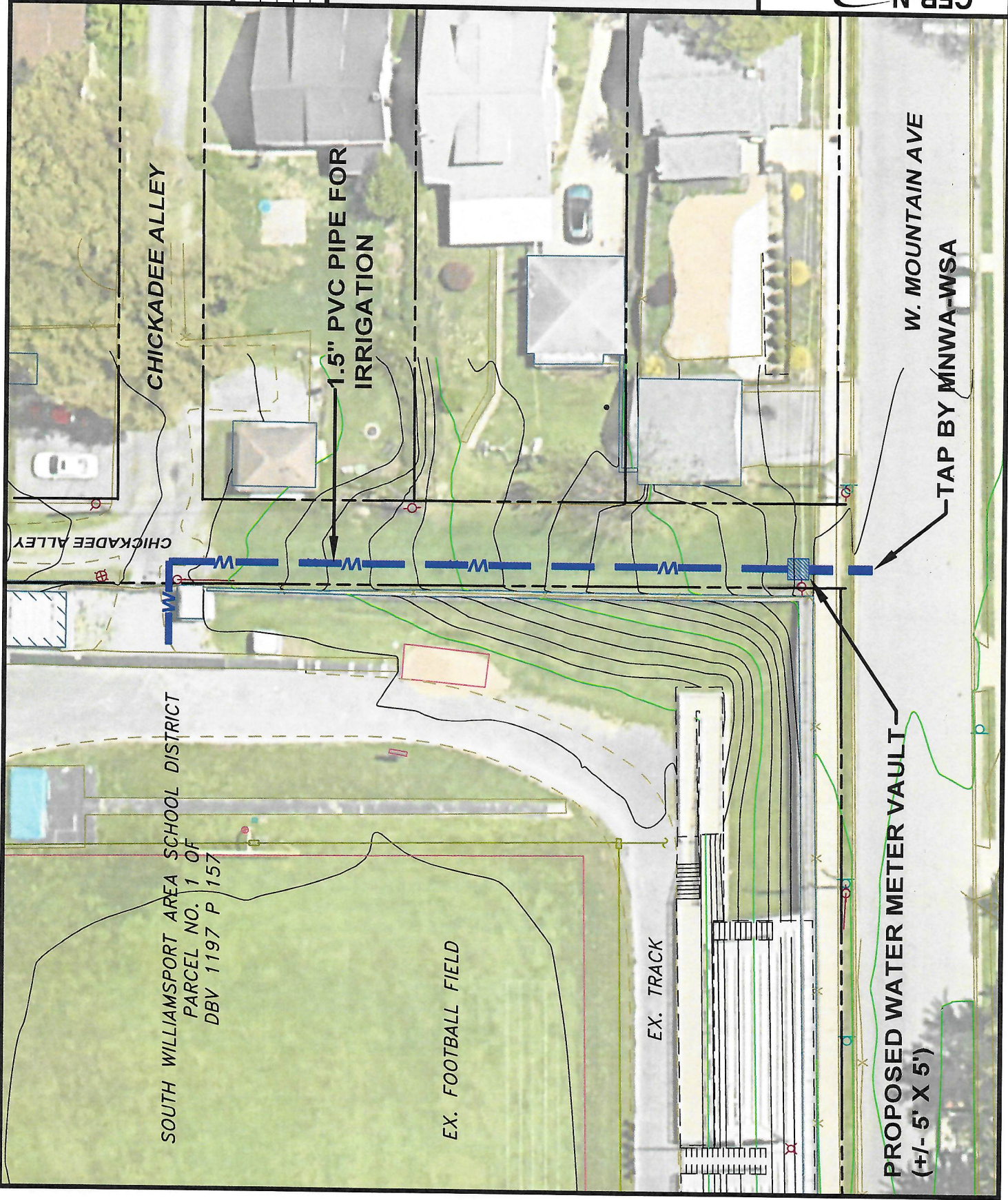
	<u>Amount</u>
A. Meter Testing (per request)	
<u>Meter Size:</u>	
5/8 inch	\$60.00
Larger than 5/8 inch	\$75.00
B. Resumption of service after it has been terminated	\$30.00
C. Returned Check Charge	\$25.00
D. Standard Temporary Meter Deposit	\$250.00
E. Requested Service Shut Off/On (per visit)	\$15.00
F. Remove/Reset Meters (per callout):	
First Meter	\$30.00
Additional Meters at Same Property (each)	\$15.00
G. Posting Delinquency Notices/Collecting Payment at Property	\$15.00
H. Penalty for Late Payment	10% of amount overdue
I. Meter Replacement Charge	\$190.00
J. Other Services	As quoted

CFB-N
 AMERICAN SOCIETY OF CIVIL ENGINEERS
 CERTIFIED FIELD BUILDER - Natural Turf
 ON STAFF
HUMMER
 Hummer Turfgrass Systems, Inc.
 1527 S. COLLEBROOK ROAD
 MANNHEIM, PA 17545
 hummerturf.com

WATER LINE PLAN
 SOUTH WILLIAMSPORT AREA S.D.
 515 WEST CENTRAL AVE
 SOUTH WILLIAMSPORT, PA 17702

DESIGN BY: DMD
 SCALE: 1"=30'
 DATE: 4.2.24
 DWG. #: SOWIL0349

REVISIONS



I. INTRODUCTION

The services to be provided by Susquehanna Valley Sound & Video, LLC consist of design and installation of a complete and working sound system for the pickup, amplification, and distribution of voice and music program material throughout the Rodney K. Morgan Stadium of South Williamsport Area School District in South Williamsport, PA, based upon the criteria, items, and materials described here within.

II. SPEAKERS

- A. Provide and install three (3) Danley Labs OS series high performance speakers in an outdoor enclosure that is impervious to weather. The speakers will be mounted on the roof of the press box with two (2) covering home side bleachers left and right of the press box and one (1) at the front center of the press box roof to cover the visitor side bleachers.
- B. Provide additional speakers at the following locations:
1. Two (2) Danley Labs Go2 aqua-tight version speakers with 100° coverage. The Go2 speakers have stainless steel grilles, U-brackets and mounting hardware. These speakers will be mounted on the front corners of the roof of the press box to cover the seating area in front of the press box.
 2. Two (2) Danley Labs TH series 15" passive extreme weatherized version subwoofers. These speakers will enhance the desired low-end frequencies for music playback.
 3. Four (4) Danley Labs Ultra Compact series weatherized full range speakers. These speakers will be mounted under the press box for the seating area under the press box.
 4. Reuse existing speakers and volume controls in the concession stands.

III. EQUIPMENT LOCATION

- A. Reuse existing equipment rack in press box.
- B. Provide the equipment rack accessories as follows:
 - 1. One (1) Juice Goose 20-amp CQ series, AC power sequencer with multi-stage surge suppression/protection, linear technology AC line noise filtering, & automatic extreme voltage shutdown.
 - 2. Provide two (2) 30amp sequencer relays for amplifiers.
 - 3. Provide one (1) Juice Goose power switch. The switch has a pass code for preventing unauthorized use of the system.
 - 4. Miscellaneous blank & vent panels as required.

IV. MIXER/AMPLIFIERS

- A. Provide one (1) Ashly Audio AQM series automatic mixer. The mixer will have twelve (12) mic/line inputs, eight (8) matrixed outputs and auxiliary outputs.
 - 1. Inputs for announcer mic, handheld wireless, music playback and digital national anthem.
 - 2. One (1) Ashly Audio AQM Touch screen remote volume control with digital display for minor volume adjustments and system configurations.
 - 3. System equalization will be accomplished by using the internal digital equalizers on both individual inputs and individual outputs.
 - 4. Ashly Digital products carry a 5-year manufacturer warranty.
- B. The Danley Sound Labs D series amplifiers are professional audio amplifiers designed for high-end sound reinforcement and installation applications. These amplifiers offer exceptional sound quality.
 - 1. Provide one (1) Danley Labs D8 series amplifier with 4 inputs, 4 amplified outputs and 4 local + 4 additional

- auxiliary channels of digital signal processing. This amplifier provides 2000 watts per output channel.
2. Provide one (1) Danley Labs D8 series amplifier with 4 inputs, 4 amplified outputs. The 4 auxiliary digital processing outputs of the above amplifier will be utilized in this amplifier. This amplifier provides 2000 watts per output channel.
 3. Reuse the existing Crown amplifier for concession stand speakers.
If cable can be run through existing conduit to the ticket booth, amp will be moved to press box. If not, the amp will remain in the ticket booth.

VI. MICROPHONES

- A. Provide the following microphones:
1. Provide one (1) Audio-Technica head worn microphone for the announcer with soft-touch push-to-talk control.
 2. Provide one (1) Audio-Technica 3000 handheld wireless microphone for miscellaneous use.
- B. Provide microphone jack at the following location:
1. One at the counter area in front of the announcer.

VII. PLAYBACK EQUIPMENT

- A. Provide one (1) Denon professional multi-media player with CD, Bluetooth®, USB and 3.5mmAux Input.

VIII. ASSISTIVE LISTENING SYSTEM

- A. The Americans with Disabilities Act (ADA) protects individuals with disabilities in many areas, including public accommodations and commercial facilities. Based on the seating capacity of 2000 on home side and 450 on the visitor side, the ADA would require a minimum of 60 hearing impaired receivers with at least 15 neck loops for use with hearing aids or cochlear implants equipped with a T-coil switch.
- B. We are including a system with one transmitter with large area antenna and Wi-Fi capability, 12 receivers and 2 neck loops.
- C. Williams AV has a transmitter that will broadcast both over FM 72MHZ and connect to the school Wi-Fi. An APP can be downloaded onto a smart device and the stadium sound can then be heard on their smart device if they are logged onto the designated school Wi-Fi router.

IX. DOCUMENTATION

- A. Upon completion of the sound system installation, Susquehanna Valley Sound & Video, LLC, shall provide the school with one (1) complete set of sound system documents including, but not limited to, CAD generated block diagrams & rack risers, owner's manuals, serial numbers, wireless microphone frequencies, and hearing assistance channels/frequencies.

X. LABOR – Please Read Carefully

A. The school and/or their contractor will:

1. Provide and install AC power wiring. Two (2) 30-amp circuits to connect to SV² provided relays and two (2) 20-amp, 120-volt circuits from the main breaker panel to the location of the amplifier rack area are required for proper operation.
2. Provide necessary conduit to equipment rack and speaker locations on press box roof as per SV² instruction.
3. Seal any penetrations in rubber roof material on press box necessary for speaker mountings and necessary conduit.

B. Susquehanna Valley Sound & Video, LLC shall:

1. Provide and install all sound system speakers & electronics, according to the timeline of the project.
2. Provide manufacturer's instruction manuals and complete system documentation.
3. Provide sessions to train school personnel as to proper operation of the sound system.
4. Susquehanna Valley Sound & Video, LLC provides a one (1) year warranty on equipment, materials, and workmanship on engineered audio systems designed and installed by SV². Exceptions to the warranty include abuse or misuse of the systems, natural disasters such as lightening, fire, flood, wind, or other actions not associated with the normal use and intended purpose and function of the syst

POLICIES

It is our policy to make every effort to insure complete satisfaction with our equipment, its installation, and its effectiveness.

Should a valid written discrepancy of the sound system performance be submitted, payment of that portion of the system will be deferred until such time as the discrepancy can be resolved.

Drawings, specifications, and other documents and electronic data furnished by Susquehanna Valley Sound & Video; LLC are instruments of service. Susquehanna Valley Sound & Video, LLC shall retain all common law, statutory and all reserved rights, including copyright in those instruments of service furnished by them.

Drawings, specifications, and other documents and electronic data furnished by Susquehanna Valley Sound & Video, LLC shall not be used by the client on other projects, for additions to this project, or for completion of this project by others, except by written agreement relating to use, liability, and compensation.

In the event that the client elects to utilize the plans, specifications, or other documents or electronic data furnished by Susquehanna Valley Sound & Video, LLC under this proposal to complete or modify the construction of this project, or to construct any other project, without Susquehanna Valley Sound & Video, LLC design professionals, the client will indemnify and hold Susquehanna Valley Sound & Video, LLC, it's officers, agents, employees, design professionals and other consultants harmless to the fullest extent allowable by law, from and against any claims, liability, cost of expense without limitation, alleging any negligent acts, errors or omissions in connection with or arising out of the aforementioned utilization of said documents.

Susquehanna Valley Sound & Video, LLC makes every attempt to use equipment, products, and materials manufactured and distributed by reliable companies. In the event an item should become unavailable prior to scheduled installation, Susquehanna Valley Sound & Video, LLC will select a substitute of comparable cost and specification for approval by the client.

Cost quotations on installations are valid for thirty (30) days. The client shall be responsible for manufacturer's cost increases beyond this period.

PROPOSAL 32024

SUSQUEHANNA VALLEY SOUND & VIDEO, LLC
161 Bower Street Extension
Montgomery, PA 17752
(570) 547-6768
gerry@svsquared.com

TO:
South Williamsport Area School District
Rodney K. Morgan Stadium
515 West Central Ave.
South Williamsport, PA 17702

Complete Audio System Installed As Per "Statement of Labor" before options:	\$ 89,505.00
Option 1: Delete under press box speakers, Deduct	-2,035.00
Option 2: Delete Assistive Listening System, Deduct	-5,953.00

TERMS: 50% upon acceptance of this proposal;
25% upon start of installation;
25% upon completion.

.....
We are pleased to submit our proposal for your consideration.
Should you accept our proposal, be assured it receive our prompt
attention. This proposal is valid for thirty (30) days. Thereafter, it
is subject to change without notice.

By: Gerry Bogart Accepted By: _____ Date _____

JUICE GOOSE™

CQ-3000 (TM) SEQUENCED POWER CONTROL SYSTEM



GENERAL DESCRIPTION

The Juice Goose CQ-3000, along with the other products in the CQ Series, provides a versatile and powerful means of remotely activating AC power in a sequenced array for application to both sensitive and high amperage equipment. CQ Series products need no additional controllers. Each contains the circuitry to be activated by a simple contact closure and to perform in coordination with other CQ devices. All power down sequences are exact reversals of the power up sequences.

OPERATION

The CQ-3000 is a 30 amp hardwire model featuring one AC power output, a locking NEMA 15-30R. This is a single sequence event device that will usually be specified for an audio system with one or more high current, low frequency amplifiers. High performance components have been designed into the CQ-3000 to provide the additional margin of performance required for high in-rush amplifiers. The CQ-3000 can be connected by way of six wire modular phone cable to a system of CQ Series sequencers. In this fashion the CQ-3000 will turn on and off in coordination with the other products. No time delay settings or additional equipment is required. When used to power an amplifier the CQ-3000's sequence event will be triggered after a previous CQ device has completed its sequenced turn on.

CONTROL LINE CONNECTION

All CQ products can be easily controlled by way of standard 6 wire RJ-12 modular phone cable. Each CQ has a Sequence Signal Input and Output connector on the chassis. This communication link allows any CQ device to be installed at any stage in a power sequencing system and act as a power sequencer or controller. There is no limit to the number of CQ devices that can be connected in this manner.

Because the sequence process is controlled with a latching contact closure, the system can be activated with a custom mounted single pole switch, a relay, the control switch on the CQ device itself or a Juice Goose RC-5 key switch control accessory. It also be activated with controllers from Crestron, AMX and other manufacturers.

CONTROLS AND MONITORS

The CQ-3000 features a three position switch on the front of the chassis. This switch is active only if there is no control cable on the Sequence Signal Input connector. When active, this switch allows the unit to sequence up or sequence down and to control the sequencing of any unit connected to the Sequence Signal Output connector. The Manual On switch position allows the CQ-3000 to be manually operated, overriding the control circuit in the unlikely event of a fault or failure.

Lights on the front of the chassis allow monitoring of the unit operation. The PROCES-SOR light will blink to indicate the control processor on the unit is functioning. The POD light is illuminated as a result of contact closure by the CQ-3000 relay, indicating that actual relay closure has occurred.

DETAIL SPECIFICATIONS

Chassis.....	16 gauge steel – mounts through holes in back box
Dimensions.....	9.0"H x 6.0"W x 4.0"D
Weight.....	6 lbs
Circuit Breaker.....	30A thermal on side of the chassis
Relay Current Rating.....	50A
Number of Sequence Events.....	One
Power Input.....	Hard wire through strain relief on back box
Power Output.....	One NEMA L5-30R
Input Voltage.....	US standard (120 VAC @60Hz)
Signal Connections.....	RJ-12 six wire cable
Monitor Features...	Monitor lights correlate to processor and relay operation

See the other Juice Goose power sequencers: CQ-1520, CQ-2000, CQ-2200 and CQ-PDI-4

FOR MORE INFORMATION

JUICE GOOSE
Houston, Texas
Phone: 713-772-1404
juicegoose.com



D Series DSP Amplifiers

D14K4-DSP | D8K4-DSP | D5K4-DSP



The Danley Sound Labs D series amplifiers are professional audio amplifiers designed for high-end sound reinforcement and installation applications. These amplifiers offer exceptional sound quality, reliability and versatility, making them suitable for a wide range of applications including live sound, touring, fixed installations and more.



The Danley Sound Labs D series amplifiers feature a powerful Class-D power stage that delivers high output power, high efficiency, and low heat generation. They also feature a powerful processing suite which includes FIR filtering, 4 local + 4 additional aux DSP channels (also supplied to the network) and optional Dante networking (on Dante models).

Additionally, the D series amplifiers feature advanced protection circuitry that ensures the safety of the equipment and speakers, including over-current protection, short circuit protection, thermal protection, and a soft-start function to minimize the inrush current. The amplifiers also have Danley loudspeaker presets available for easy configuration.

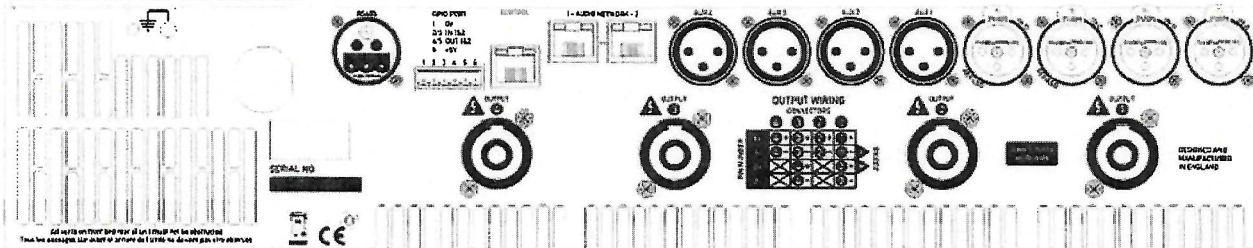
The Danley Sound Labs D series amplifiers are ideal for professionals who require high-quality sound reinforcement and installation systems. With their powerful performance, reliable protection features, and flexible input/output options, these amplifiers are a reliable choice for any application.

Model	D14K4-DSP	D8K4-DSP	D5K4-DSP
Channels	4	4	4
Output @ 2Ω	3500W	2000W	1200W
Output @ 2.7Ω	3700W	2200W	1400W
Output @ 4Ω	2700W	2000W	1000W
Output @ 8Ω	1400W	1000W	500W
Bridged @ 4Ω	7000W	4000W	2400W
Bridged @ 8Ω	5400W	4000W	2000W

Mains (V)	Load (R)	Current Draw (I)					
		Light	Heavy	Light	Heavy	Light	Heavy
240	4Ω	4.1	15.7	2.8	10.3	1.7	5.8
240	8Ω	3.2	9.6	2.2	6.3	1.4	3.7
120	4Ω	8.7	31.9	5.9	21	3.6	11.7
120	8Ω	6.9	19.6	4.7	12.9	3.0	7.7

Light = Crest factor of 7.8 (18dB) Heavy = Crest factor of 2.8 (9dB)

Back of D14K4-DSP and D8K4-DSP



Rev. 2023.03.10

Danley Sound Labs Inc.
2196 Hilton Drive, Suite E
Gainesville, GA 30501

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danleysoundlabs.com | 877.419.5805

D Series DSP Amplifiers

D14K4-DSP | D8K4-DSP | D5K4-DSP

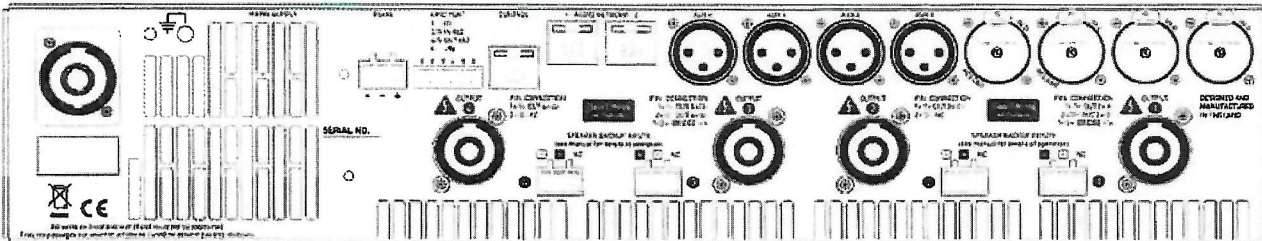


Model	D14K4-DSP	D8K4-DSP	D5K4-DSP
Channels	4	4	4
Gain/Sensitivity	32dB / 10.7 dBu	32dB / 8.8 dBu	32dB / 6.2 dBu
Weight	24 lbs - 10.9kg	23 lbs - 10.3kg	22 lbs - 10.0kg
Boxed	27 lbs - 12.4kg	26 lbs - 11.8kg	26 lbs - 12.0kg

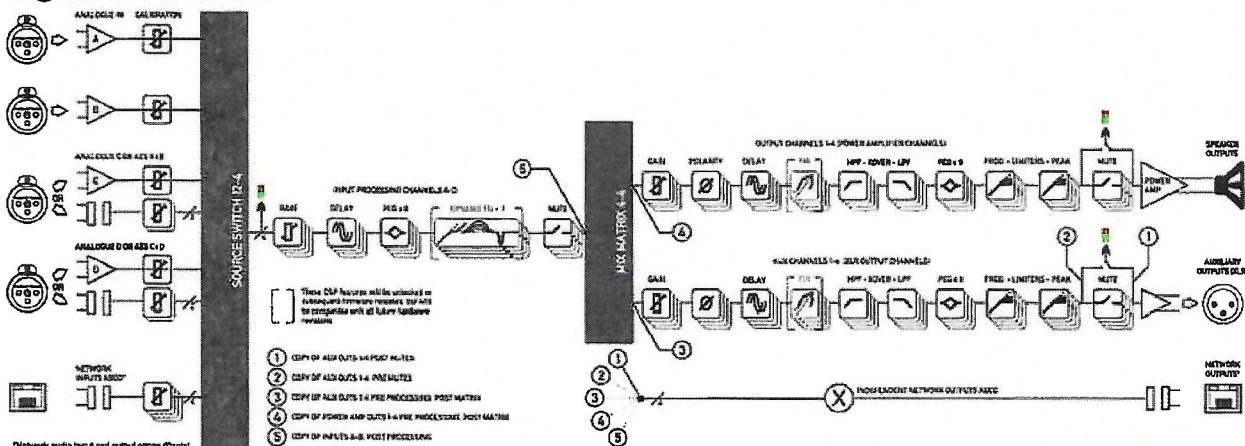
Dimensions	3.46"(h) x 18.98"(w) x 16.85" (d) 88 (h) x 482(w) x 428(d)
Boxed	9.84 x 24.02 x 23.6 250 x 610 x 600

Bit Depth & Sample Rate	24 bit ADCs and DACs, 96kHz sampling and processing throughput
AES and Networked Audio	44.1kHz - 192kHz
THD%	@1 kHz < 0.08% 20 Hz to 20 kHz < 0.1%
Frequency Response	20 Hz-20 kHz +0/-0.5 dB
Protection Limiters	RMS Fully Variable x 8; Look Ahead (zero overshoot) Peak Limiter x 8 Output short circuit, DC; Over-temperature; Mains in-rush control, over voltage, over current.
Power Supply	100/120V or 220/240V tapped transformer according to customer requirements.

Back of D5K4-DSP



Signal Flow Chart



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Gainesville, GA 30501

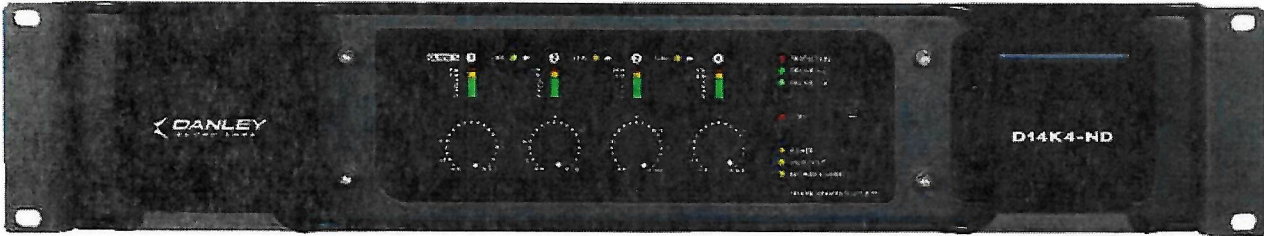
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D Series Non-DSP Amplifiers

D14K4-ND | D8K4-ND | D5K4-ND



The Danley Sound Labs D series amplifiers are professional audio amplifiers designed for high-end sound reinforcement and installation applications. These amplifiers offer exceptional sound quality, reliability and versatility, making them suitable for a wide range of applications including live sound, touring, fixed installations and more.



The Danley Sound Labs D series amplifiers feature a powerful Class-D power stage that delivers high output power, high efficiency, and low heat generation. The ND amplifiers are designed to integrate with the powerful processing suite included with the DSP Series amps.

Additionally, the D series amplifiers feature advanced protection circuitry that ensures the safety of the equipment and speakers, including over-current protection, short circuit protection, thermal protection, and a soft-start function to minimize the inrush current.

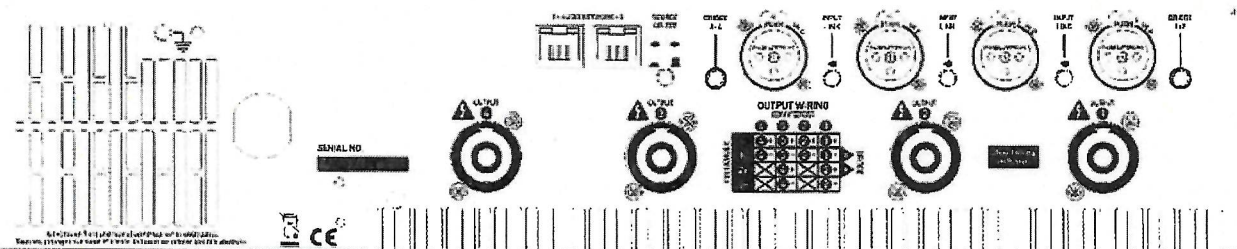
The Danley Sound Labs D series amplifiers are ideal for professionals who require high-quality sound reinforcement and installation systems. With their powerful performance, reliable protection features, and flexible input/output options, these amplifiers are a reliable choice for any application.

Model	D14K4-ND	D8K4-ND	D5K4-ND
Channels	4	4	4
Output @ 2Ω	3500W	2000W	1200W
Output @ 2.7Ω	3700W	2200W	1400W
Output @ 4Ω	2700W	2000W	1000W
Output @ 8Ω	1400W	1000W	500W
Bridged @ 4Ω	7000W	4000W	2400W
Bridged @ 8Ω	5400W	4000W	2000W

Mains (V)	Load (R)	Current Draw (I)					
		Light	Heavy	Light	Heavy	Light	Heavy
240	4Ω	4.1	15.7	2.8	10.3	1.7	5.8
240	8Ω	3.2	9.6	2.2	6.3	1.4	3.7
120	4Ω	8.7	31.9	5.9	21	3.6	11.7
120	8Ω	6.9	19.6	4.7	12.9	3.0	7.7

Light = Crest factor of 7.8 (18dB) Heavy= Crest factor of 2.8(9dB)

Back of D14K4-ND and D8K4-ND



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D Series Non-DSP Amplifiers

D14K4-ND | D8K4-ND | D5K4-ND

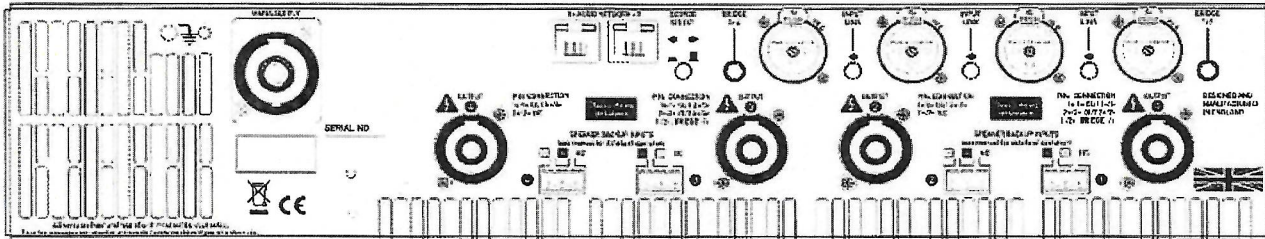


Model	D14K4-ND	D8K4-ND	D5K4-ND
Channels	4	4	4
Gain/Sensitivity	26/32dB / 10.7 dBu	26/32dB / 8.8 dBu	26/32dB / 6.2 dBu
Weight	24 lbs - 10.9kg	23 lbs - 10.3kg	22 lbs - 10.0kg
Boxed	27 lbs - 12.4kg	26 lbs - 11.8kg	26 lbs - 12.0kg

Dimensions	3.46"(h) x 18.98"(w) x 16.85" (d) 88 (h) x 482(w) x 428(d)
Boxed	9.84 x 24.02 x 23.6 250 x 610 x 600

Bit Depth & Sample Rate	24 bit ADCs and DACs, 96kHz sampling and processing throughout
THD%	@1 kHz < 0.08% 20 Hz to 20 kHz < 0.1%
Frequency Response	20 Hz-20 kHz +0/-0.5 dB
Protection Limiters	Output short circuit, DC; Over-temperature; Mains in-rush control, over voltage, over current.
Power Supply	100/120V or 220/240V tapped transformer according to customer requirements.

Back of D5K4-ND





GO-2-8CX Full Range Loudspeaker

SPECIFICATIONS

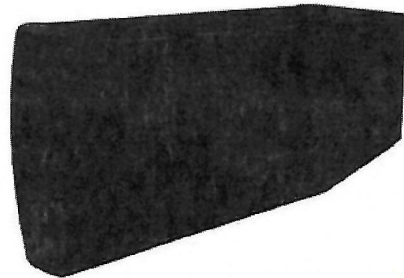
KEY FEATURES:

- ▶ Compact 12.75”H x 22”W x 9”D design
- ▶ Wide conical coverage pattern
- ▶ Synergy crossover network
- ▶ Sentinel™ Limiter protection circuitry
- ▶ “U” Bracket included

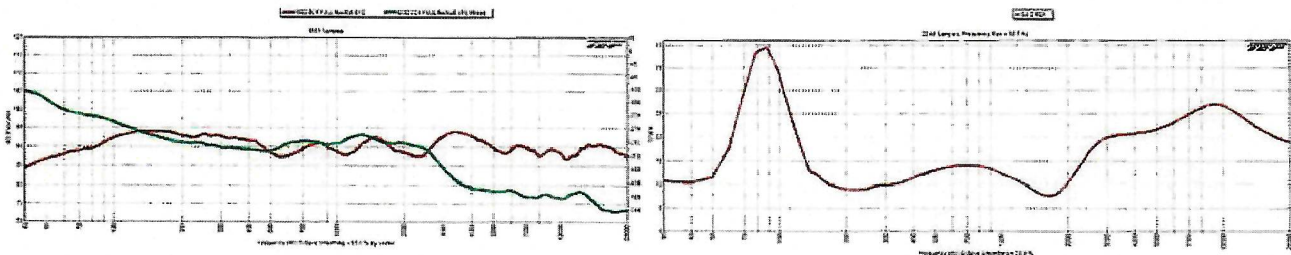
Danley Sound Labs introduces the Go 2 Series of versatile compact loudspeakers. The full range models incorporate our Synergy™ design philosophy and crossover topology for extremely flat phase response and performance that is pure Danley.

APPLICATIONS:

- ▶ Houses of Worship
- ▶ Performing Arts Centers
- ▶ Sports Facilities
- ▶ Theme Parks
- ▶ Clubs / Restaurants
- ▶ Cruise Ships / Yachts
- ▶ Schools



Operating Frequency Range ----- 51 Hz – 21 kHz +/- 3 dB
 -----30 Hz – 24 kHz +/-10 dB
 Sensitivity ----- 90 dB SPL measured at 1M @ 2.83V input
 Maximum Output -----115 dB SPL Cont., 121 dB SPL Program
 Recommended Amplifier Power:-----320 Watts continuous, 1280 Watts peak
 Recommended Processing -----50 Hz High Pass 24 dB Butterworth
 Drivers ----- 1 x 8” coaxial driver
 Input Connections -----NL4
 Impedance -----8 Ohms
 Enclosure Material -----High Density Urethane

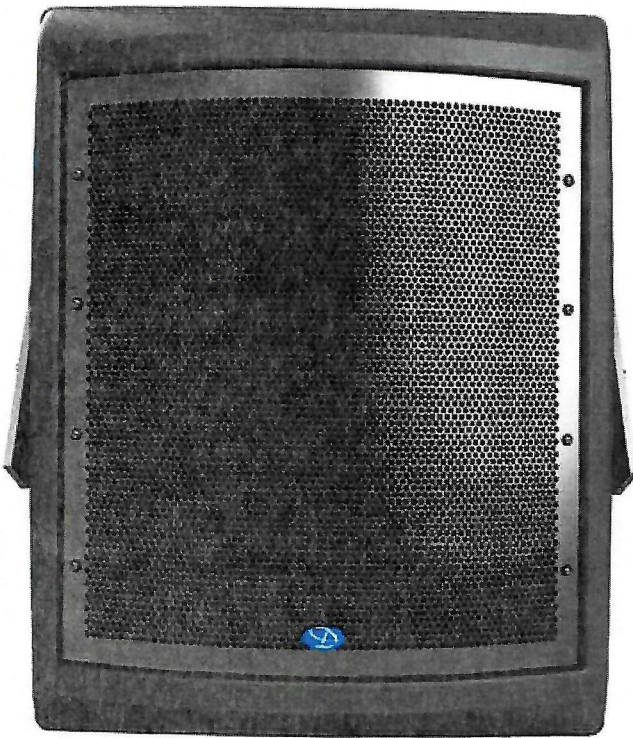


Performance Data

Model	MAX SPL	Sensitivity	Magnitude Response	Beam Width	Power Rating	Dimensions	Weight
Go-2-8CX	121 dB	90 dB	51 Hz - 21 kHz	Wide	1280 W Peak	12.75”H x 22”W x 9”D	23 lbs

OS80

2 Way Outdoor Loudspeaker



The OS80 is Danley's answer for those who are looking for a high-performance speaker in an outdoor enclosure that is impervious to weather. Featuring a high output 12"/1.4" coaxial driver mated to an 80° conical horn, a single cabinet can produce high quality audio beyond 130dB from a compact full range Synergy Horn™ that weighs only 51 lbs. Utilizing a Synergy crossover network allows for proper phase alignment between frequency bands. This permits the physically separated bands to combine and emerge from the horn as a single source, greatly reducing off axis distortions in frequency response and allowing for greater clarity at long distances. A Sentinel™ protection circuit offers an added level of protection to the high frequency driver. The OS80 includes a heavy-duty aluminum mounting bracket and angle strap.

Utilize our DNA amplifiers or processor for maximum performance and protection with industry leading DSP capabilities.

Performance Specifications

Operating Mode

Two-way single channel amplified

Operating Range

113Hz - 18KHz +/-3dB

70Hz - 19KHz - 10dB

Coverage Pattern

80 conical

Transducers

Low 1x12", High 1x1.4"

Power Handling

400 W Cont. | 1600 W Peak

Sensitivity measured as 2.83V @1m distance

101 dB

Maximum SPL (continuous | peak)

127 dB | 133 dB

M Noise

coming soon

Impedance

8 Ohm

Recommended Power Amplifier

800 Watts @ 8 Ohm

Physical Specifications

Connections (OS80-NL)

(2) Neutrik NL4 Speakon wired in Parallel

Pin 1+/- | Full Range

Pin 2+/- | Pass Through

Connections (OS80)

1x 2 Conductor 14 Gauge Lead-in Wire

Mounting / Suspension Points

U-bracket included - 3x 3/8 - 16 TPI Studs

Pole Mount Kit Available

Dimensions / Weight

32.25 x 26 x 14.5 in. | 820 x 660 x 368 mm.

51 lbs | 23.13 Kg

Finish

Matte Gray - Aluminium Bracket & Grill

Matte Black - Black Powder Coated Bracket & Grill

Enclosure Material

Thermal Molded Poly-composite

Options

OS80-G Gray Install Version

OS80-B Black Install Version

OS80-G-NL Gray Install Version W/ NL4 Inputs

OS80-B-NL Black Install Version W/ NL4 Inputs

Accessories

BRKT-PMK1 Pole Mount Kit for 1 OS Speaker

BRKT-PMK2 Pole Mount Kit for 2 OS Speakers

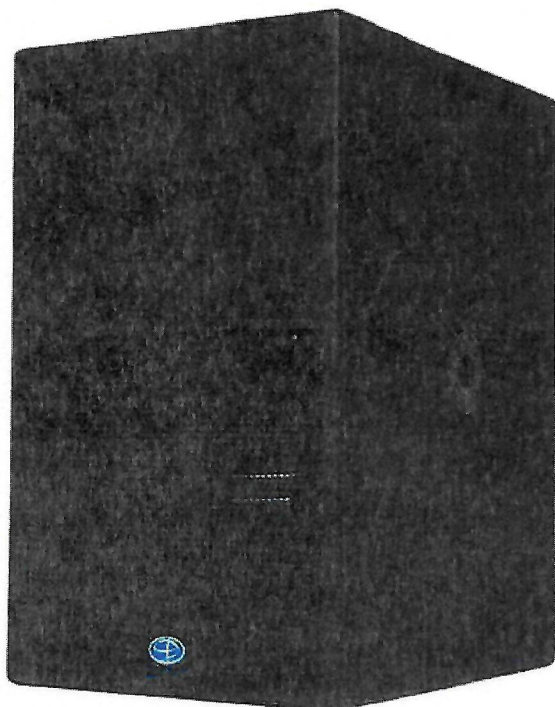
BRKT-PMK1-HD Heavy Duty Pole Mount Kit for 1 OS Speaker, 1 THmini15

BRKT-PMK2-HD Heavy Duty Pole Mount Kit for 2 OS Speaker, 1 THmini15

BRKT-SAK Safety Anchor Kit

THmini15

Compact Tapped Horn Subwoofer



The THMini15 is a variation of the popular THMini. Unlike the original THMini, it utilizes (1) x 15" long excursion LF driver. The Danley Tapped Horn Subwoofer™ is a patented design that allows us to build physically small subs which are very efficient, especially at the low end of their range, and are virtually linear in their passband.

The Tapped Horn™ design takes full advantage of the driver element by doubling its output ability. This results in more output from less input, and the TH series produces very deep bass from generally very small boxes. The enclosure is constructed from 13 ply Baltic Birch, which is encased in PolyUrea for protection from impact and atmospheric conditions. Install and touring versions are both equipped with multiple M10 rig points.

Performance Specifications

Operating Mode

Passive single channel amplified

Operating Range

50 Hz - 310 Hz -3dB

42 Hz - 349 Hz - 10dB

Coverage Pattern

Omni-directional

Transducers

1x15"

Power Handling

1000 W Cont. | 4000 W Peak

Sensitivity measured as 28.3V @10m distance

105 dB

Maximum SPL (continuous | peak)

132 dB | 138 dB

M Noise

Coming soon

Impedance

1x4 Ohm

Recommended Power Amplifier

1x=1000 - 2000 Watts @ 4 Ohm

Physical Specifications

Connections (THmini15-T | THmini15-I)

(2) Neutrik NL4 Speakon wired in Parallel

Pin 1+/- | 4 Ohm Single Channel

Pin 2+/- | Pass Through

Connections (THmini15-I-EW | THmini15-I-AT)

1x 2 Conductor 14 Gauge Lead-in Wire

Mounting / Suspension Points

M10 -1.5

Dimensions / Weight

30 x 18 x 24 in. | 762 x457 x 609 mm.

100 Lbs | 67 Kg

Finish

Black polyurea enclosure w/ matte black grille

White polyurea enclosure w/ matte white grille

Grey UV resistant painted enclosure w/ matte grey grille

Enclosure Material

18mm Baltic Birch, polyurea coated

Options

THmini15-I	Install Version
THmini15-I-EW	Install Version, Extreme Weather
THmini15-T	Touring Version
THmini15-T-K	Touring Version w/ 3 Pole Cups
COVER-TH15TK	Foam and Nylon Protective Cover

DENON

PROFESSIONAL

DN-500CB

CD/Media Player with Bluetooth®/USB/Aux Inputs and RS-232c



Key Features:

- Bluetooth 5.0 pairing to (8) devices
- Slot-loading CD transport
- USB host port for file playback
- 10-button direct track access
- 3.5mm AUX input for playback from portable players
- RS-232c control capable
- Compact IR remote control included
- Balanced (XLR) and unbalanced (RCA) outputs

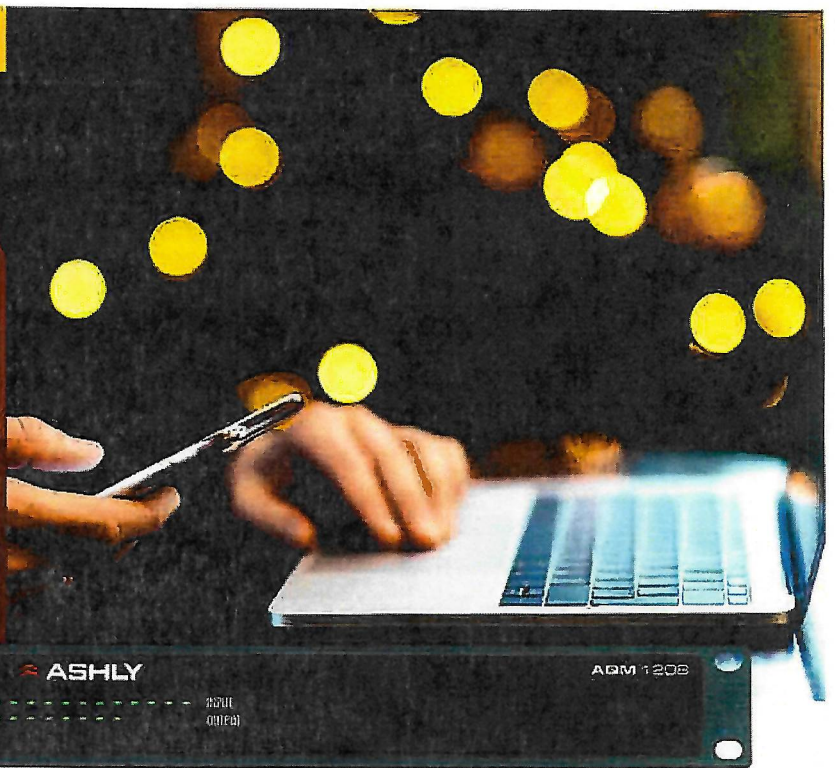
The DN-500CB is a highly-versatile yet affordable media player that excels in applications where users bring their own devices for education, instruction or entertainment. The DN-500CB plays not only CD media but provides Bluetooth connectivity, USB playback and a 3.5mm AUX input for connecting virtually any other playback device.

Like all 500 series Denon Professional media players, the DN-500CB offers an RS-232c port on the rear for control via serial command and the serial command protocol guide is available for download.

Perfect for retail, education, and hotel/conference applications, this player offers features normally found on higher-priced players, such as Bluetooth Pairing, Front Panel Lock, Power On Play, direct access to tracks, memory of settings after loss of power, and balanced XLR output.

AQM1208

The AQM1208 is
the very best
processor we have
ever made...



INTUITIVE AQUACONTROL™ SOFTWARE

REMOTE ACCESS ANYWHERE

MIC & MULTI-ZONE READY

The AQM1208 is designed as an advanced, stand-alone zone mixer to be used with external amplification, offering the power & flexibility needed to handle just about any situation. Based on the AquaControl DSP engine first introduced in the mXa1502, the AQM1208 includes a comprehensive library of DSP functions presented in a versatile, yet intuitive UI that doesn't require a college level course to learn. The AQM1208 connects to any browser-enabled device via LAN and Internet from virtually anywhere in the world, allowing convenient remote access for configuration and troubleshooting. The AQM1208's 12 Input by 8 Output configuration meets the requirements for a host of mic mixing, music distribution and other applications, such as noise masking, and provides all the necessary tools to assure everything sounds great and runs smoothly



- Conference Rooms
- Retail Stores
- Hospitality
- Bars and Restaurants
- HoW & Auditoriums



**TECHNICAL
SPECS**
on
PAGE THREE

AQM1208 SPECIFICATIONS	
Number of Input Channels	12 (12 Balanced Mic/Line, + 4 Unbalanced Summed RCA Line on 9-12)
Number of Output Channels	8 Balanced Line
Distortion (THD-N, typical)	<0.01% @ 1kHz, +20dBu
Signal-to-Noise	>110dB (20Hz-20kHz) unweighted
Frequency Response	20Hz-20kHz, ±0.25dB
Balanced Input Connector	Euroblock 3.5mm
Input Impedance	10k Ohms RCA, 3k Ohms Mic/Line
Propagation Delay	1.08 ms
ADC/DSP/DAC Resolution	32-Bit
Sample Rate	48kHz
Phantom Power	21V, 10.8mA per channel
Environmental	40°-120°F (4°-49°C), 150°F (65.5°C) max - not for long term use
Mic Preamp EIN	-126dB
AC Mains Nominal Voltage Input	90 - 240VAC, 50/60Hz
AC Mains Operating Range	70 - 270VAC
AC Mains Line Cord Connector	Detachable Nema 5-15 for USA
Control Network	RJ-45 connector, 1GB Ethernet
Line Output Connector	Balanced Euroblock 3.5mm
Line Output Maximum Level	+21dBu
Remote DC Level Control	Euroblock 3.5mm - Gnd, CV, V+ per each of the 8 VCA inputs
Unit Dimensions	19"W x 1.75"H x 8.5"D (483mm x 45mm x 216mm)
Shipping Dimensions	23"W x 4.5"H x 12.5"D / 584mm x 114mm x 318mm
Unit Weight	6.2 lbs (2.8 kg)
Shipping Weight	9 lbs (4.1 kg)

1) Note:

USER MANUAL



Download the full FX User Manual at <https://qrco.de/be40Lg>

SCAN ME

TXT

AQM 1208 ARCHITECT & ENGINEERING SPECIFICATIONS in .txt format are available in the DOWNLOADS section of <https://qrco.de/be40Lg>

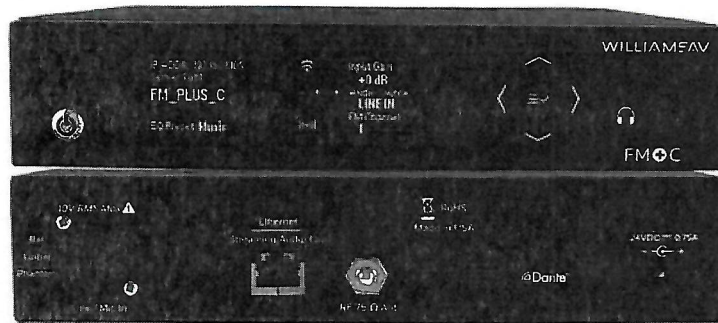
Ashly Audio, Inc. • 847 Holt Road • Webster, NY
 USA • US toll-free +1.585.872.0010
 Fax +1.585.872.0739 • Sales@Ashly.com

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 All Specifications are subject to change.



FM+ C

DUAL FM + WI-FI WIRELESS BROADCASTING SYSTEM



FM+ C is the first transmitter of its kind to offer an FM broadcast and Wi-Fi audio broadcast from a single input source. Whether using the FM+ C for assistive listening, language interpretation, or audio description, this "dual broadcast" technology gives users the option of listening to real-time audio stream on their smartphone or tablet using the free WaveCAST receiver app (iOS and Android) or use an available FM receiver from the venue. The FM+ C works with current and legacy Williams AV receivers operating at the 72-76 MHz bandwidth.

Along with the flexibility of dual broadcast

Key Features

- Dual broadcast transmitter featuring FM and Wi-Fi audio broadcast from a single input source.
- DSP platform, designed for pro-audio applications, delivers better audio quality for a full, rich sound and greater intelligibility.
- AV Pros can control the FM+ C system via third-party room controls using Telnet commands via Ethernet. Commands include power, audio gain, channel selection, DSP preset, and more.

Applications

- Assistive Listening
- Language Interpretation
- Audio Description

technology comes exceptional audio quality. The FM+ is built on a professional digital audio (DSP) platform which means better intelligibility for your audience. Select from one of the DSP presets which optimize for voice, music or hearing assist, or modify DSP settings, including high/low pass filters and compression options to meet your specific requirements.

The FM+ C has support for Telnet commands via an Ethernet port enabling AV professionals to control and monitor the FM+ C using third-party room control systems.

Markets

- Houses of Worship
- Stadiums
- Performing Arts Venues/Theaters
- Government
- Education - classrooms & lecture halls



View our full FM line at williamsav.com/product/fmplusc-t55c/

Product Specifications: FM+ C (T55C)

Dimensions	8.45" W x 8.25" D x 1.72"H (21.5 cm x 21 cm x 4.4 cm)
Weight	Transmitter: 3.2 lbs. (1.45 kg)
Color	Black
Rack Mount	Standard 19" Rack, one EIA rack space high, 1/2 space wide. 1-2 units can be mounted in a single rack space with optional RPK 005 (single) or RPK 006 (double) Rack Mount Kits.
Power Supply	Desktop Style Transformer (TFP 062); Input: 100-240 VAC, 50/60 Hz. IEC Line Cord; Output: 24 VDC, 750 mA, 18W. 2.5mm ID center positive barrel connector
Power ON Indicator	Push On/Push Off latching power button with backlight. Green backlight indicates power ON, backlight off indicates power OFF.
Temperature Range	Operating: +32° F to +122° F (0° C to 50° C); Storage: -4° F to +158° F (-20° C to 70° C)
Ethernet	RJ-45 on the back of the unit supports CAT 5e cable lengths up to 328 feet (100 meters); 10/100 Base-T IEEE 802.3 compliant, unique MAC address. The RJ-45 jack is used for web interface and streaming audio out. An external Router/ DHCP Server is required to stream audio to receiving devices.
Dante	(1x) RJ-45 jack. Only available on FM T55C D
User Interfaces	1. 3.12" High-Resolution OLED display with selections via buttons, 2. Hosted Web page, 3. Telnet commands over ethernet (see our "WaveCAST and FM+ Programmers Guide" for available commands and protocol).
RF Section	
Operating Frequencies	72.1-75.9 MHz , 17 wideband channels (selectable)
Frequency Accuracy	± 2 ppm stability, 0-50° C
Deviation	± 75 kHz maximum
Pre-Emphasis	75 µsec
RF Field Strength	Does not exceed 80 mV/m at 3 m
Compatible Antennas	ANT 005, ANT 021, ANT 024, ANT 025, ANT 029. The FCC requires this device to be used with approved, FCC 15.203 compliant antennas and be professionally installed. Refer to Williams AV's Antenna Selection Install Guide for compliant antennas for this product. Refer to Williams AV's Antenna Selection Install Guide for FCC-compliant antennas for this product.
Transmission Range	Up to 1000 ft (304 m) with ANT 005 coaxial antenna mounted on rear chassis F-connector
RF Outputs	(1x) #10-32 stud connector in center of unit (pcb mounted) (1x) F-connector on rear chassis
RF Transmit (RF) Power Indicator	1 OLED On Air Indicator with 4 states indicating power level Off, Low, Medium and Full Power.

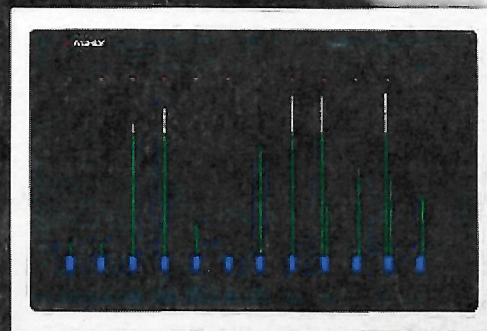
Product Specifications: FM+ C (T55C)

RF Time Out (sleep mode)	30 min. duration, 4 hr. duration, or Always On; selected via web interface. When audio drops below -18 dB, the selected duration begins, and when it expires the unit stops transmitting and goes into a low-power ("sleep") mode. Any button press "awakens" the unit and it begins transmitting again.
Audio Section	
Audio Processor Functions	DSP based; Compression: 1:1, 1.5:1 or 2:1; High-pass and Low-pass Filter Frequency control, Music, Voice and Hearing Assistance Audio Presets
Frequency Response	31-16000 Hz, ± 3 dB (re: 1 kHz, ± 3 dB) ("Music" Audio Preset)
Signal-to-Noise Ratio	67 dB (typical) Transmitted RF
Total Harmonic Distortion	Less than 0.25% @ 1 kHz (RF output)
Common Mode Rejection	>57 dB @ 1 kHz, Mic or Line
Audio Inputs	(1x) Combination 3-pin XLR, 1/4" (TRS) jack for balanced or unbalanced line level, or balanced or unbalanced microphone with selectable phantom power. Optional RJ-45 Dante Input ("D" models only).
Audio Input Gain Adjust	Adjustable from +24dB to -60 dB, in 1dB steps from front screen or web interface.
Phantom Power	14.4 VDC applied through 2.2 k Ω resistors to analog combo jack: Pin 2 and Pin 3 on XLR jack, or tip and ring on 1/4" TRS jack
Audio Level Display	Front screen bar graph display, each segment representing 3dB. It ranges from -18 (1 segment lit) to +12dB (10 segments lit). Over-range warning is indicated by 'OVLD' and flashing empty bar.
Headphone Output	1/4" TRS stereo jack, mono signal, 33 Ω .
Dante Input	(1x) RJ-45 jack only available on FM T55C [D].
Approvals	FCC, RoHS3, WEEE, Industry Canada
Warranty	2-year warranty against component failure and manufacturing defects. See the Full Warranty statement on the website for details.* Stresses above these ratings may cause permanent damage or degrade reliability.

Input Levels (Bal or Unbal) (at Audio Input Gain = 0dB) at 1 kHz	Nominal (0dB) Indicated by Audio Level Display " -> -< " "	Overload Warning Indicated by Audio Level Display "!"	Absolute Max. Rating Stresses above these ratings may cause permanent damage or degrade reliability.
Microphone	-55 dBV (1.7 mV RMS)	-22 dBV (80 mV RMS)	+20 dBV (10.0 V RMS)
Line	-25 dBV (55 mV RMS)	+16 dBV (6.3 V RMS)	+20 dBV (10.0 V RMS)

AQUATOUGH 7

7" Touch-Panel Remote



AQUACONTROL™ COMPATIBLE

SECURE TOUCHSCREEN CONTROL

WALL-MOUNTABLE

A new addition to the AquaControl family is the AquaTouch7 Remote. This 7" color touch-panel provides secure remote-control access via Ethernet with wall-mount installation. The AquaTouch7 Remote is the perfect complement to AquaControl products like the AQM1208 & mXa1502. Offering convenient and intuitive touch-control of all remote functions, the AquaTouch7 uses a wired Ethernet connection to its host device, providing reliable and secure access. The AquaTouch7 is designed to be flush wall-mounted. PoE compatibility makes installation fast and simple.



- Conference Rooms
- Retail Stores
- Hospitality
- Bars and Restaurants
- HoW and Auditoriums



 **ASHLY.**

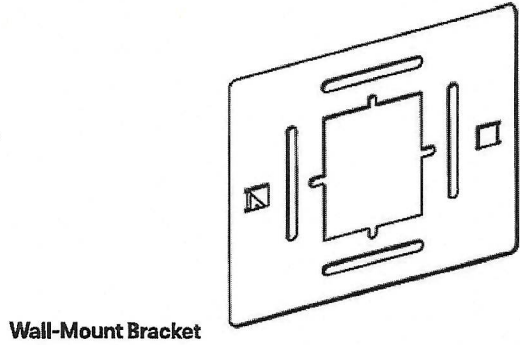
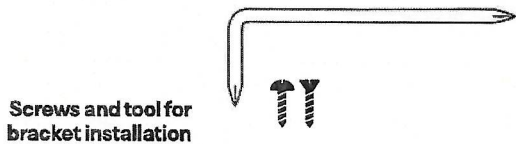


**TECHNICAL
SPECS**
on
PAGE THREE

AQUATOUGH7 SPECIFICATIONS

Touchscreen Display:	7" TFT
Display Resolution:	800 x 1280 (16.7M colors)
Display Brightness:	400 NITS
Network Connectivity:	RJ45 Ethernet
Power Requirements:	PoE (802.3af)
Color:	White (frame)
Materials:	Front: Clear E-glass, Rear: ABS
Mounted Dimensions:	6.91" W x 4.53" H x .65" D (17.6cm x 11.5cm x 1.65cm)
Depth Behind Wall:	.75" (1.9cm)
Weight:	1.2lbs (.55kg)
Supplied accessories:	Wall-mount bracket

Installation Kit



1) Note:

USER MANUAL

Download the full FX User Manual at bit.ly/48cmKnH

AQM 1208 ARCHITECT & ENGINEERING SPECIFICATIONS TXT

in .txt format are available in the DOWNLOADS section of <https://ashly.com/aquatouch7>

AQM 1208 2D AUTOCAD FILES A

are available in the DOWNLOADS section of <https://ashly.com/aquatouch7>

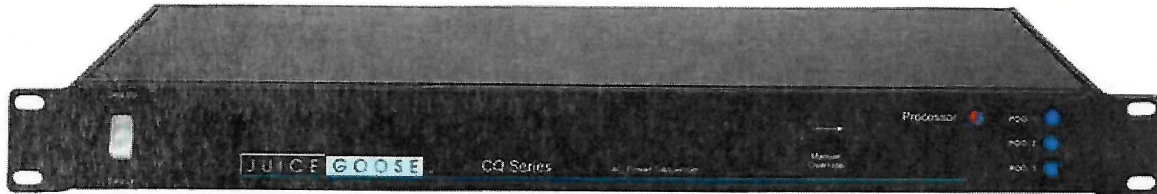
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JUICE GOOSE™

CQ1520-RX and CQ1515-RX Power Sequencers with RX Series Surge Protection



General Description

The CQ Series-RX models combine reliable AC power sequencing with the proven performance of the Juice Goose RX Series surge protection and filtration.

Each CQ Series product contains the circuitry needed for sequenced activation and plug-and-play coordination with other CQ Series models or RC Series accessories. All power up and power down sequences are performed automatically. Commands are passed from one CQ Series unit to the next.

Operation

The CQ-1515 (15 amp) and CQ-1520 (20 amp) are rack mount, plug-in models featuring AC line protection and seven power outputs. These devices can be used by themselves, activated via local or remote control or included with a more extensive power sequencing system. In a typical sequencing system the rack mounted CQ is used to control power to the signal source or "front-of-house" equipment before power is applied to amplifiers. In this configuration, the initial CQ in the series is connected by way of RJ45 modular cable to another CQ device at that or another location. No time delay settings or additional equipment are required. All CQ units will automatically turn on and off in the proper sequence. Note: the CQ-1520 has a 20 amp capacity and requires a NEMA 5/20R AC receptacle for connection of the power cord to the main AC power.

The CQ-1515 and CQ-1520 feature three sequenced duplex receptacles and one unswitched single AC receptacle on the back of the chassis. Each duplex has its own preset turn on and off timing. Because the CQ activates its outlets in three stages it is useful as a stand-alone sequencer. Signal source and processing equipment can be powered by the first sequence stages while amplifiers are powered by the last ones. The CQ can be triggered by the switch on the front of the unit, by a remote contact closure or by a Juice Goose RC5 accessory.

Proven Power Protection

Published test results prove the effectiveness of the power protection circuitry contained in the CQ Series-RX and other RX Series based products.

This RX power protection technology is particularly valuable because it works against common mode as well as normal mode events. While it protects against dramatic surge events of up to 6,000 volts at 3,000 amps on hot and neutral (normal mode), it also limits ground line (common mode) surges to one-half (0.50) volt to prevent operating faults of digital processing equipment.

Power protection circuitry in the CQ Series-RX includes a differential transformer, lots of filtering capacitance and control circuitry providing protection from dangerous surges, high frequency interference, building wiring faults and over voltage. RX technology is proven to deliver protection comparable to an isolation transformer.

Controls and Monitors

All CQ products can be controlled by way of 8 wire, RJ-45 cable. (Consult the CQ Series Owners Manual before assembling the cable.) Each CQ has a *Sequence Signal Input* and *Output* connector on the chassis which allows daisy chaining multiple CQ devices in a power sequencing system. Sequencing between two CQs is controlled by a nominal 8 VDC "Outputs Active" circuit between the units which is regenerated with each CQ module. There is no limit to the number of CQ devices that can be connected and no practical distance limit between them.

The system can be activated with the sequence control switch on the CQ device itself or a Juice Goose RC5 control accessory. The sequence process can also be initiated with a latching contact closure, enabling use of a custom mounted single pole switch, a relay or processor based controllers from Crestron, AMX or other manufacturers. The standard two second delay in a CQ 1515-RX or CQ 1520-RX can be adjusted by changing DIP switch positions on the CQ circuit board. See the product manual for additional information.

The CQ Series-RX models feature a two position switch on the front of the chassis. This switch is active only if there is no control cable on the *Sequence Signal Input* connector. When active, this switch causes the unit to turn outlets on or off in sequence and to control the sequencing of any unit connected to the *Sequence Signal Output* connector. A Manual Override switch allows the CQ to be manually operated, overriding the control circuit in the unlikely event of a fault or failure. LEDs on the front panel show status of sequence processor, surge protection and AC outlets on the back.

Specifications

Chassis.....Tour Class ^(tm) 16 gauge steel with 11 gauge rack mount brackets
Dimensions.....1.75"H x19"W x 7"D
Weight.....10 lbs
Circuit Breaker (thermal on back of the chassis).....15A or 20A

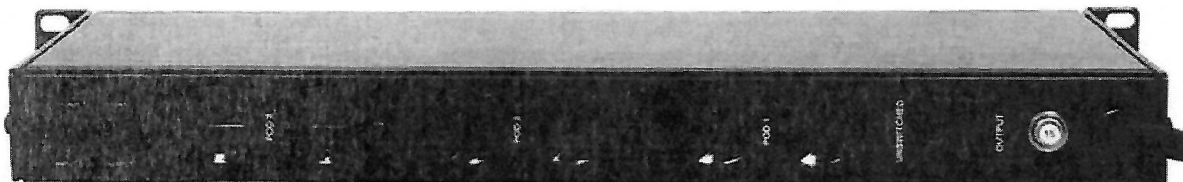
AC Power Filtration @ 30 MHz.....80dB Common Mode, 60dB Normal Mode
Transient Energy Absorption.....1,020 Joules
Max AC Surge Let Through.....10 Volts Normal Mode, 1/2 Volt Common Mode (Ground)

Number of Sequence Events.....Three
Power Input (seven foot power cord).....12/3 SJ with 5/20P or 14/3 SJ with 5/15P
Power Outputsix sequenced 5/20R or 5/15R and one unswitched 5/15R

Input Voltage.....US standard (120 VAC @60Hz)
Signal Connections.....RJ-45, eight wire cable

Monitor LED Features

POD 1,2,3.....Blue indicates power activation
Processor
Blue/Red Blinking.....Sequencer and surge protection are functioning
Red Blinking.....Surge protection fault
Solid Blue or Off.....Sequencer fault



CQ Series-RX Back

Houston, Texas
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2023



RC5-KP & RC-KPS SEQUENCED POWER CONTROL ACCESSORIES

GENERAL DESCRIPTION

Juice Goose produces the RC5 accessory line as an economical option for power sequencing remote control. Any RC5 operates any Juice Goose CQ Series power sequencer. The RC5-KP comes in two versions. Both have three push button control to operate a CQ Series power sequencer.

RC5-KP (Convenient)

This is a good product for installation where unauthorized operation of the sound system is not a concern - such as within a locked control room. Pushing the top button on the RC5-KP twice sequences a connected CQ product up. Pushing the bottom button twice sequences it down. Pushing the middle button twice pauses the sequencing process until the top or bottom button is again pushed twice.

RC5-KPS (Secure)

The RC5-KPS provides secure access to the CQ Series power sequencing control features. The system functions when the operator enters a four digit code using the three push buttons on the RC5-KPS. Entering that code will sequence the system up if it is down or sequence it down if it is up. The code can be changed from the factory preset. LEDs on the front of either RC5-KP indicate sequence up or down completion.

The RC5-KP connects to a CQ Series product with RJ45 cable. It requires no additional power supply.

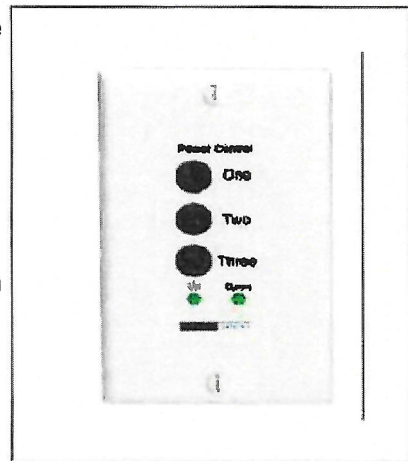
SEE ALSO

Other RC5 models include rack mounted and wall mounted designs with rotary knobs or key switches.

CONTACT

For additional information

Juice Goose
Phone: 713-772-1404
Email: info@juicegoose.com
Houston, Texas



SPECIFICATIONS

KEY FEATURES:

- ▶ Wide Coverage Area
- ▶ Compact size
- ▶ Sentinel™ Limiter protection circuitry
- ▶ U-Bracket included

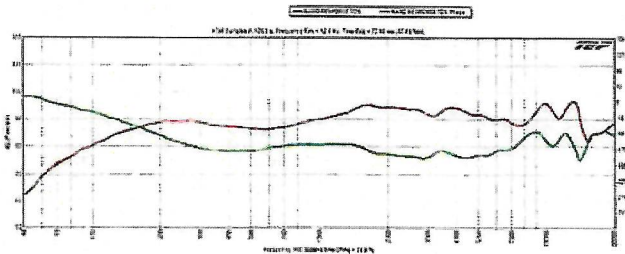


APPLICATIONS:

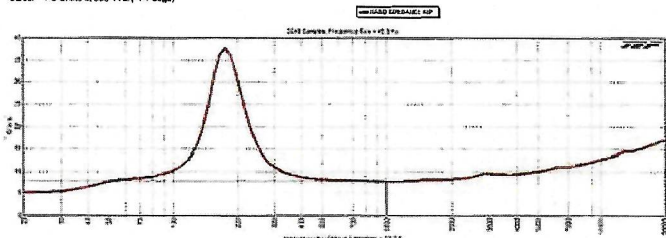
- ▶ Portable/Touring Sound System
- ▶ Houses of Worship
- ▶ Performing Arts Centers
- ▶ Sports Facilities
- ▶ Theme Parks
- ▶ Clubs / Restaurants
- ▶ Cruise Ships / Yachts
- ▶ Schools

Coverage ----- 110° Conical
 Operating Frequency Range ----- 190 Hz - 14.9 kHz - 4 dB
 ----- 130 Hz - 15.4 kHz -10 dB
 Sensitivity ----- 90 dB SPL measured in half space at 1M @ 2.83V input
 Maximum Output ----- 103 dB SPL Cont., 109 dB SPL Peak
 Recommended Amplifier Power ----- 20 Watts Cont., 80 Watts Peak
 Drivers ----- 1 x 3"
 Input Connections ----- Input Terminal strip w/ 8 ohm and 70V taps
 Impedance ----- 8 ohm, 70V taps 20, 10, 5 watts
 Enclosure Material ----- High Density Polyethylene

Nano response
4/2/2017 6:18:03 PM



Nano impedance
4/2/2017 10:20:42 PM
Cursor = 7.8 Ohms at 998.1 Hz (1.1 degs)



Performance Data

Model	MAX SPL	Sensitivity	Operating Frequency	Beam Width	Power Rating	Dimensions	Weight
Nano	103 dB	90 dB	190 Hz - 14.9 kHz	110° Conical	40W	5 1/2" W x 4" D	4 lbs